

# CSIE 5043: Machine Learning

Hsuan-Tien Lin

Dept. of CSIE, NTU

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## Four Reasons for **Taking** the Course (1/4)

### Only English But Good Training

- English important in industry and in academia
- Taiwanese students **can** use English well  
—but needs training
  - training to be courageous
  - training to be fluent
- English classroom as easy/difficult as Mandarin classroom  
—quoted from a study by Prof. S.-C. Kan (NTU CE)

*the key is how hard students study, not the language*

This course can prepare you with good English training.

### Complicated Contents But Learnable

- course goal:  
**not** to be the most difficult course in the world, but  
*to let you learn the most*
- go through complicated contents **carefully** to let you learn the most, as long as you
  - give yourself more confidence
  - allocate enough time

*To get to the essence of things one has to work long and hard—Vincent Van Gogh*

This course can guide you to learn the most.

### Strict Instructor But Friendly

- Will you repeat the previous algorithm/theorem again? Yes.
- Will you discuss with me after class if I don't understand? Yes.
- Will you tolerate my poor English? There is **no** poor English.
- Will you pardon my silly questions? There are **no** silly questions.
- Will the TAs be as friendly as you? We're always trying to be more friendly to students.

This course comes with a friendly instructor who is always willing to help you learn the most.

### High Loads But Reasonable

- homework goal: **not** to torture you, but  
*to help extend your understanding reasonably*
- you **can** finish homework:
  - ask instructor/TA email questions
  - go to forum
  - go to TA hour
  - go search related materials
  - form study groups
- you **will learn more** from homework than from class
- score **not** important

This course will include only helpful and reasonable homework problems.

The Brave Ones Stayed  
May Them Survive

# Some Announcements

- TA hour: Tuesdays 6:30pm to 7:30pm, in R105
- TA email: `m12011ta@csie.ntu.edu.tw`
- book forum: `http://book.caltech.edu`
- hard copy homework : written or computer-generated, whichever appropriate
- some explanations on HW1:
  - 1.1, 1.2, 1.3: no need to seek for “standard” answers; just make your answers “convincing”
  - 1.4: need mathematical “proof”
  - 1.5: programming and experimenting, need “source” in addition to solutions
  - 1.5(7): need “prediction”